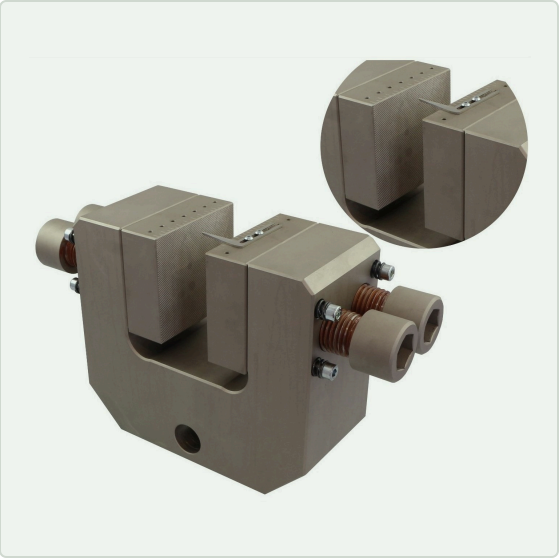
PRODUCT DATA SHEET

ISO 10319 Vise Grip

Wide-Width Vise Grip for Geosynthetics

Built to ISO 10319 — Geosynthetics — Wide-width tensile test



OVERVIEW

Heavy-duty twin-screw vise grip for wide-width tensile testing of geotextiles and geogrids. Two lead screws close a full-width jaw onto the specimen, and finely knurled faces distribute clamping pressure across the whole width so the specimen breaks in the gauge length, not at the jaw.

KEY FEATURES

- Twin lead screws close the jaw evenly across the full specimen width
- Finely knurled, wear-resistant jaw faces resist slippage under high load
- Scaled alignment marks and pointer for consistent specimen placement
- Open U-frame allows quick loading of bulky or stiff products
- Supplied with adapters to suit your load frame (clevis or threaded)

TECHNICAL SPECIFICATIONS

Test method	Wide-width tensile test, per ISO 10319
Test type / loading	Uniaxial tension
Specimens	Wide-width strips, nominally 200 mm wide
Load capacity	50 kN per grip standard; higher capacities on request
Grip material	High-strength steel body, hardened jaw inserts
Gripping surfaces	Fine knurled jaw faces; other faces on request
Machine connection	Clevis pin or threaded adapter, to suit customer frame
Compatible frames	Electromechanical and servo-hydraulic universal test machines

APPLICATIONS

- Woven and nonwoven geotextiles
- Geogrids and geocomposites
- Reinforced soil and road construction
- Geosynthetic manufacturing QC

ABOUT THE STANDARD

ISO 10319 specifies an index test for the tensile properties of most geosynthetics using a wide-width strip, typically 200 mm wide with a 100 mm gauge length. The specimen is gripped across its full width and extended at a constant rate; maximum tensile strength per unit width, elongation at maximum load and secant stiffness are reported.

Ordering & customization: Specify specimen width, product type and strength range, required capacity and test machine connection when ordering.

Specifications are typical and may vary by configuration; confirm at time of quote. Users should refer to the current edition of the standard for test procedures. Part ref. UGC-ISO10319-VG